

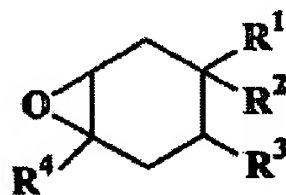
AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior revisions, and listings, of claims in the application.

Listing of Claims:

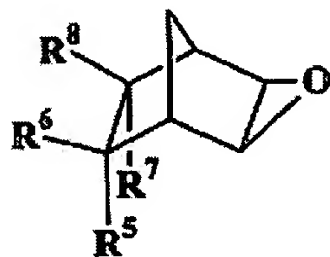
1. (Currently Amended) A functional fluid composition that generates reduced levels of carboxylic acid during use comprising:

- (a) a base stock comprising a phosphate ester, and
- (b) at least one acid scavenger selected from
 - (i) epoxides of the formula



(I)

- (ii) epoxides of the formula

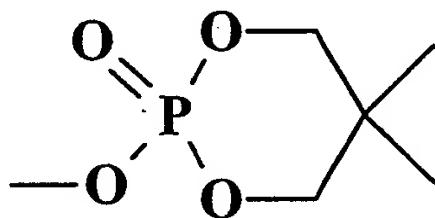


(II), or

- (iii) mixtures thereof;

wherein R^1 , R^2 and R^3 are independently selected from H, $-(CH_2)_n-R$ and $-C(O)-R^{12}$, and wherein one or two of R^1 , R^2 and R^3 are $-C(O)-R^{12}$ or $-(CH_2)_n-R$; R^4 is selected from H or $-CH_3$; and R^5 , R^6 , R^7 and R^8 are independently selected from H, $-(CH_2)_n-R$ and $-C(O)-R^{12}$, and wherein up to two of R^5 , R^6 , R^7 and R^8 are $-C(O)-R^{12}$ or $-(CH_2)_n-R$;

wherein R is selected from H, ~~a linear or branched alkyl group having 1 to 12 carbon atoms~~, an arylalkyl group having 7 to 12 carbon atoms, $-O-R^{10}$, $-O-R^9-O-R^{10}$,



, or $-\text{Si}(\text{OR}^{11})_3$; R^{12} ~~is selected from a linear or branched alkyl group having 1 to 12 carbon atoms~~, or an arylalkyl group having 7 to 12 carbon atoms, n is an integer from 1 to 4, R^9 is an alkylene group having 2 to 6 carbon atoms, R^{10} ~~is an alkyl group having 1 to 12 carbon atoms~~, selected from phenyl and selected from phenyl and arylalkyl group having from 7 to 12 carbon atoms, R^{11} is an alkyl group having 1 to 8 carbon atoms, ~~and R^{12} is an alkyl group having 1 to 12 carbon atoms.~~

2.(Original) The composition of claim 1 wherein said acid scavenger is an epoxide of formula (I).

3. (Original) The composition of claim 2 wherein one of R^1 , R^2 and R^3 is $-\text{C}(\text{O})-\text{R}^{12}$ or $(\text{CH}_2)_n-\text{R}$.

4. (Original) The composition of claim 3 wherein one of R^1 , R^2 and R^3 is $-(\text{CH}_2)_n-\text{R}$.

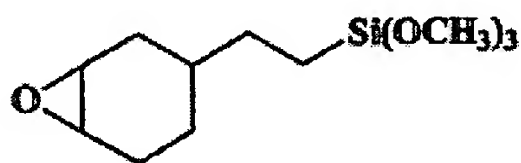
5.(Currently Amended) The composition of claim 4 wherein R is selected from ~~a linear or branched alkyl group having 1 to 12 carbon atoms~~, phenyl and an arylalkyl group having 7 to 12 carbon atoms, $-O-R^{10}$, $-O-R^9-O-R^{10}$.

6. (Original) The composition of claim 5 wherein n is 1.

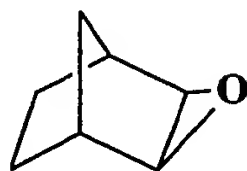
7. (Original) The composition of claim 2 wherein R^1 and R^2 are $-\text{C}(\text{O})-\text{R}^{12}$ or $-(\text{CH}_2)_n-\text{R}$.

8. (Original) The composition of claim 7 wherein R^1 and R^2 is $-(\text{CH}_2)_n-\text{R}$.

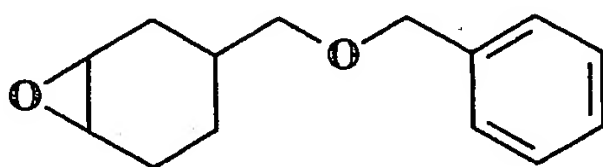
- 9.(Currently Amended) The composition of claim 8 wherein R is ~~selected from a linear or branched alkyl group having 1 to 12 carbon atoms~~, an arylalkyl group having 7 to 12 carbon atoms, $-O-R^{10}$, $-O-R^9-O-R^{10}$.
10. (Original) The composition of claim 9 wherein n is 1.
11. (Original) The composition of claim 2 wherein R^1 and R^3 are $-C(O)-R^{12}$ or $-(CH_2)_n-R$.
12. (Original) The composition of claim 11 wherein R^1 and R^3 is $-(CH_2)_n-R$.
13. (Original) The composition of claim 12 wherein n is 1.
14. (Original) The composition of claim 2 wherein R^4 is H.
15. (Original) The composition of claim 1 wherein said acid scavenger is an epoxide of formula (II).
16. (Original) The composition of claim 15 wherein one of R^5 , R^6 , R^7 and R^8 is $-C(O)-R^{12}$ or $-(CH_2)_n-R$.
17. (Cancelled)
18. (Cancelled)
19. (Original) The composition of claim 1 wherein said acid scavenger is



20. (Original) The composition of claim 15 wherein said acid scavenger is:

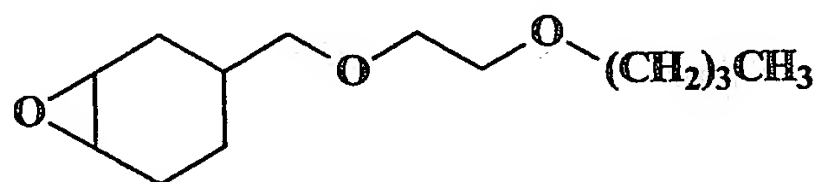


21. (Original) The composition of claim 6 wherein said acid scavenger is

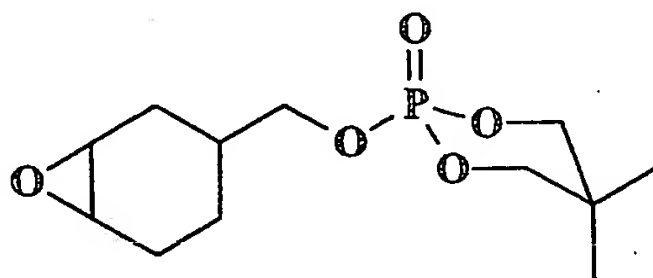


22. (Cancelled)

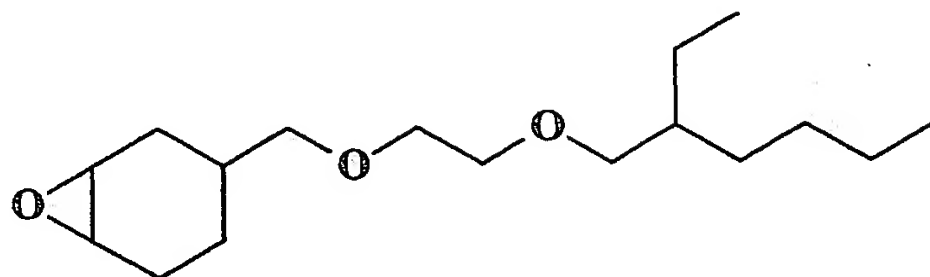
23. (Original) The composition of claim 6 wherein said acid scavenger is:



24. (Original) The composition of claim 1 wherein said acid scavenger is:

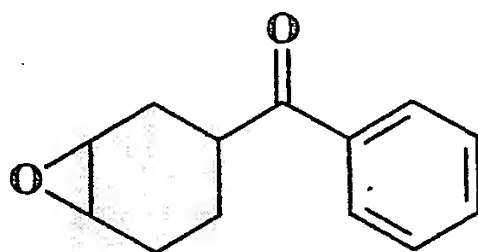


25. (Original) The composition of claim 6 wherein said acid scavenger is:



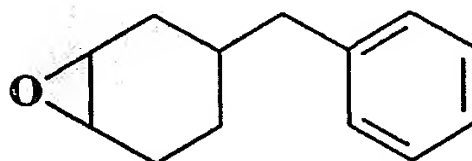
26. (Cancelled)

27. (Original) The composition of claim 3 wherein said acid scavenger is



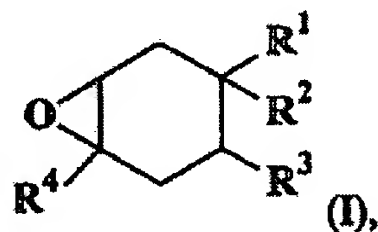
28. (Cancelled)

29. (Original) The composition of claim 6 wherein said acid scavenger is:

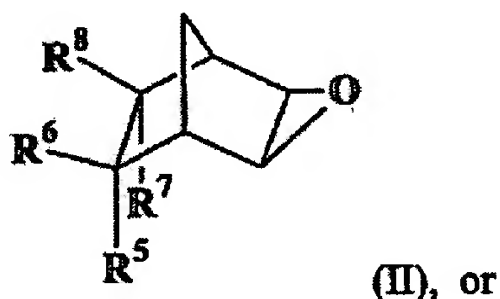


30. (cancelled)

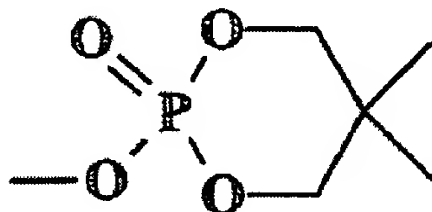
31. (Withdrawn) A method for reducing the production of carboxylic acid during use of a functional fluid comprising (a) a basestock comprising a phosphate ester, and (b) at least one acid scavenger, said method comprising admixing in said functional fluid at least one acid scavenger selected from epoxides of the formula:



epoxides of the formula:



mixtures thereof; wherein R^1 , R^2 and R^3 are independently selected from H, $-(CH_2)_n-R$ and $-C(O)-R^{12}$, and wherein one or two of R^1 , R^2 and R^3 are $-C(O)-R^{12}$ or $-(CH_2)_n-R$; R^4 is selected from H or $-CH_3$; and R^5 , R^6 , R^7 and R^8 are independently selected from H, $-(CH_2)_n-R$ and $-C(O)-R^{12}$, and wherein up to two of R^5 , R^6 , R^7 and R^8 are $-C(O)-R^{12}$ or $-(CH_2)_n-R$; wherein R is selected from H, a linear or branched alkyl group having 1 to 12 carbon atoms, an arylalkyl group having 7 to 12 carbon atoms, $-O-R^{10}$, $-O-R^9-O-R^{10}$,



, or $-Si-(OR^{11})_3$; R^{12} is selected from a linear or branched alkyl group having 1 to 12 carbon atoms, or an arylalkyl group having 7 to 12 carbon atoms, n is an integer from 1 to 4, R^9 is an

alkylene group having 2 to 6 carbon atoms, R^{10} is an alkyl group having 1 to 12 carbon atoms, R^{11} is an alkyl group having 1 to 8 carbon atoms, and R^{12} is an alkyl group having 1 to 12 carbon atoms.

32. (Withdrawn) The method of claim 31 wherein said acid scavenger is an epoxide of formula (I).

33. (Withdrawn) The method of claim 32 wherein one of R^1 , R^2 and R^3 is $-C(O)-R^{12}$ or $-(CH_2)_n-R$.

34. (Withdrawn) The method of claim 33 wherein one of R^1 , R^2 and R^3 is $-(CH_2)_n-R$.

35. (Withdrawn) The method of claim 34 wherein R is selected from a linear or branched alkyl group having 1 to 12 carbon atoms, an arylalkyl group having 7 to 12 carbon atoms, $-O-R^{10}$, $-O-R^9-O-R^{10}$.

36. (Withdrawn) The method of claim 35 wherein n is 1.

37. (Withdrawn) The method of claim 32 wherein R^1 and R^2 are $-C(O)-R^{12}$ or $-(CH_2)_n-R$.

38. (Withdrawn) The method of claim 37 wherein R^1 and R^2 is $-(CH_2)_n-R$.

39. (Withdrawn) The method of claim 38 wherein R is selected from a linear or branched alkyl group having 1 to 12 carbon atoms, an arylalkyl group having 7 to 12 carbon atoms, $-O-R^{10}$, $-O-R^9-O-R^{10}$.

40. (Withdrawn) The method of claim 39 wherein n is 1.

41. (Withdrawn) The method of claim 32 wherein R^1 and R^3 are $-C(O)-R^{12}$ or $-(CH_2)_n-R$.

42. (Withdrawn) The method of claim 41 wherein R^1 and R^3 is $-(CH_2)_n-R$.

43. (Withdrawn) The method of claim 42 wherein n is 1.

44. (Withdrawn) The method of claim 32 wherein R^4 is H.

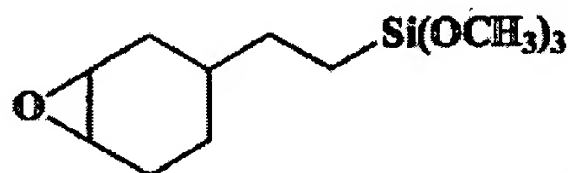
45. (Withdrawn) The method of claim 31 wherein said acid scavenger is an epoxide of formula (II).

46. (Withdrawn) The method of claim 45 wherein one of R^5 , R^6 , R^7 and R^8 is $-C(O)-R^{12}$ or $-(CH_2)_n-R$.

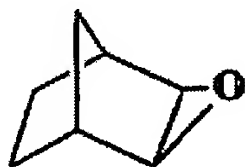
47. (Withdrawn) The method of claim 46 wherein one of R^5 , R^6 , R^7 and R^8 is $-(CH_2)_n-R$.

48. (Withdrawn) The method of claim 47 wherein n is 1.

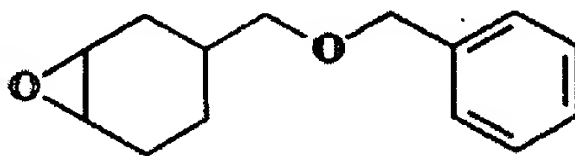
49. (Withdrawn) The method of claim 31 wherein said acid scavenger is



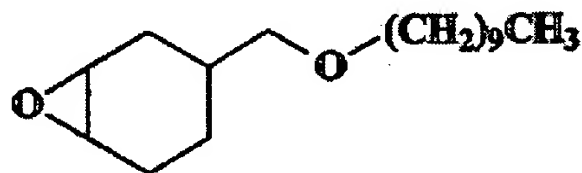
50. (Withdrawn) The method of claim 45 wherein said acid scavenger is:



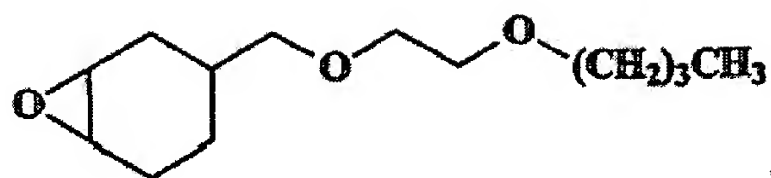
51. (Withdrawn) The method of claim 36 wherein said acid scavenger is



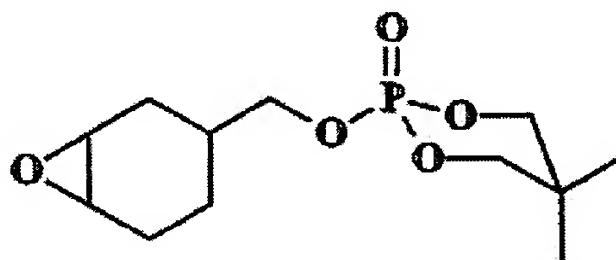
52. (Withdrawn) The method of claim 36 wherein said acid scavenger is:



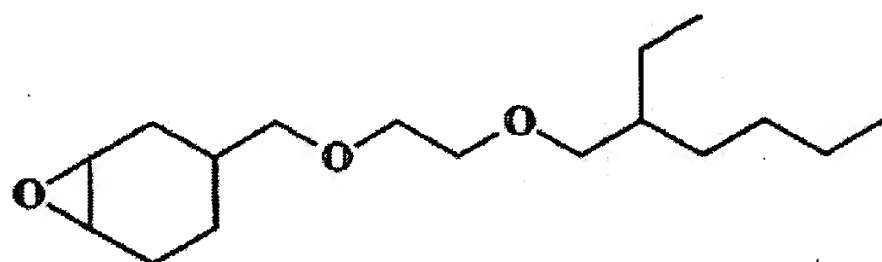
53. (Withdrawn) The method of claim 36 wherein said acid scavenger is:



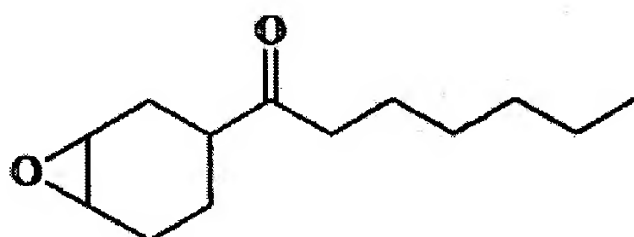
54. (Withdrawn) The method of claim 31 wherein said acid scavenger is:



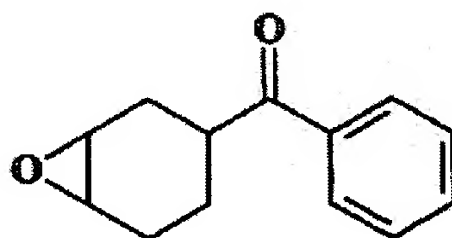
55. (Withdrawn) The method of claim 36 wherein said acid scavenger is:



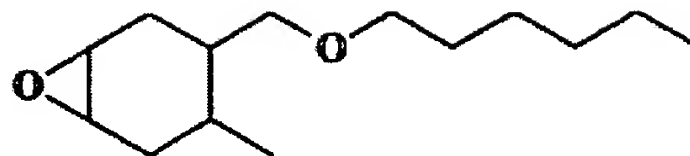
56. (Withdrawn) The method of claim 33 wherein said acid scavenger is:



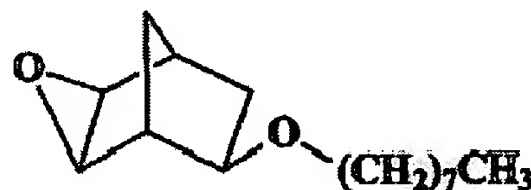
57. (Withdrawn) The method of claim 33 wherein said acid scavenger is



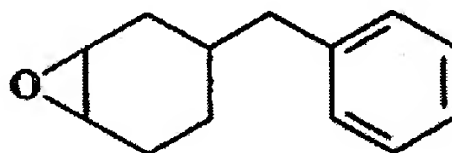
58. (Withdrawn) The method of claim 43 wherein said acid scavenger is:



59. (Withdrawn) The method of claim 36 wherein said acid scavenger is:

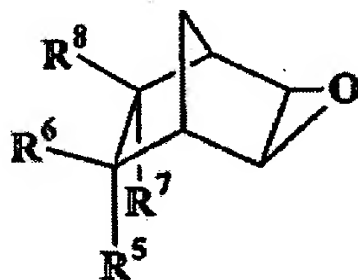


60. (Withdrawn) The method of claim 48 wherein said acid scavenger is:



61. (Withdrawn) An acid scavenger selected from the group consisting of 3-benzoxymethyl-7-oxabicyclo[4.1.0]heptane, 3-decyloxymethyl-7-oxabicyclo [4.1.0]heptane, 3-(2-n-butoxyethoxymethyl)-7-oxabicyclo[4.1.0]heptane, 3-(5,5-dimethyl-2-oxo-1,3,2-dioxaphosphorinanoxymethyl)-7-oxabicyclo[4.1.0]heptane, 3-(2-ethylhexoxymethyl)-7-oxabicyclo[4.1.0]heptane, 1-(7-oxabicyclo-[4.1.0]hept-3-yl)- 1-hexanone, 1-(7-oxabicyclo[4.1.0]hept-3-yl)- 1 -phenone, 4-methyl-3-hexoxymethyl-7-oxabicyclo[4.1.0]heptane, 3-(phenylmethyl)-7-oxabicyclo[4.1.0]heptane, and 6-n-octyloxymethyl-3-oxatricyclo[3.2.1.0^{2,4}]octane.

62. (Withdrawn) An acid scavenger represented by the formula:



wherein R^5 , R^6 , R^7 and R^8 are independently selected from H, $-(CH_2)_n-R$ and $-C(O)-R^{12}$, and at least one of R^5 , R^6 , R^7 and R^8 is $-(CH_2)_n-R$ or $-C(O)-R^{12}$; wherein R^{12} is selected from a linear or branched alkyl group having 1 to 12 carbon atoms, or an arylalkyl group having 7 to 12 carbon atoms.